

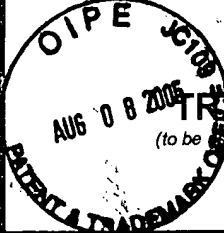
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PTO/SB/21 REV 1 (12/97)

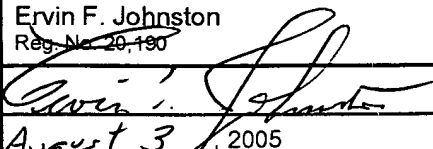
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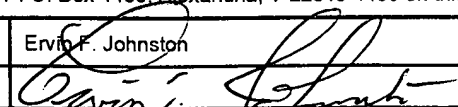
 TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/627,293	
	Filing Date	07/25/2003	
	First Named Inventor	Gill	
	Examiner Name	Ahmed N. Sefer	
	Group Art Unit	2826	
Total Number of Pages in This Submission	17 + postcard	Attorney Docket Number	HSJ920030029US1

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> PTO Form 1449 <input type="checkbox"/> () cited references <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> PTO Form 1533 <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment w/Recordation Sheet <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Request for Drawing Amendment <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Checklist and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <u>POSTCARD</u>
Remarks:		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Ervin F. Johnston Reg. No. 20,190
Signature	
Date	August 3, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, V 22313-1450 on this date: <u>August 3, 2005</u>	
Typed or printed name	Ervin F. Johnston
Signature	
Date	August 3, 2005

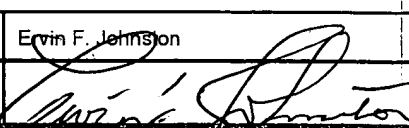
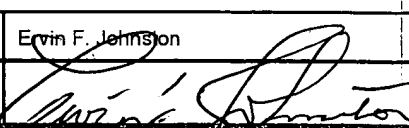
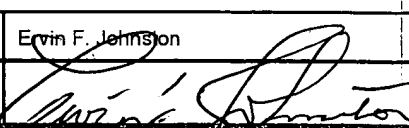
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<p>FEE TRANSMITTAL</p> <p><i>Patent fees are subject to annual revision on October 1. These are the fees effective November 1, 1998. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28</i></p>		<p><i>Complete If Known</i></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Application Number</td> <td>10/627,293</td> </tr> <tr> <td>Filing Date</td> <td>07/25/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Gill</td> </tr> <tr> <td>Examiner Name</td> <td>Ahmed N. Sefer</td> </tr> <tr> <td>Group / Art Unit</td> <td>2826</td> </tr> <tr> <td>Attorney Docket No.</td> <td>HSJ920030029US1</td> </tr> </table>		Application Number	10/627,293	Filing Date	07/25/2003	First Named Inventor	Gill	Examiner Name	Ahmed N. Sefer	Group / Art Unit	2826	Attorney Docket No.	HSJ920030029US1																																																																																								
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<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:</p> <p>Deposit Account Number <u>50-2587</u> Deposit Account Name <u>Hitachi Global Storage Technologies</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance. 37 CFR 1.311(b)</p>		<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105 130</td> <td>205 65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127 50</td> <td>227 25</td> <td>Surcharge - late provisional filing or cover sheet</td> <td></td> </tr> <tr> <td>139 130</td> <td>139 130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147 2,520</td> <td>147 2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>112 920*</td> <td>112 920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113 1,840*</td> <td>113 1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115 110</td> <td>215 55</td> <td>Extension for response within first month</td> <td></td> </tr> <tr> <td>116 410</td> <td>216 205</td> <td>Extension for response within second month</td> <td></td> </tr> <tr> <td>117 930</td> <td>217 465</td> <td>Extension for response within third month</td> <td></td> </tr> <tr> <td>118 1,450</td> <td>218 725</td> <td>Extension for response within fourth month</td> <td></td> </tr> <tr> <td>128 1,970</td> <td>228 985</td> <td>Extension for response within fifth month</td> <td></td> </tr> <tr> <td>119 320</td> <td>219 160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120 320</td> <td>220 160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121 280</td> <td>221 140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>138 1,510</td> <td>138 1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140 110</td> <td>240 55</td> <td>Petition to revive unavoidably abandoned application</td> <td></td> </tr> <tr> <td>141 1,300</td> <td>241 650</td> <td>Petition to revive unintentionally abandoned application</td> <td></td> </tr> <tr> <td>142 1,300</td> <td>242 650</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143 470</td> <td>243 235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144 630</td> <td>315 300</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122 130</td> <td>122 130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>126 180</td> <td>126 180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>146 750</td> <td>246 375</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>179 750</td> <td>249 375</td> <td>Request for continued examination (RCE) (37 CFR 1.114)</td> <td></td> </tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for response within first month		116 410	216 205	Extension for response within second month		117 930	217 465	Extension for response within third month		118 1,450	218 725	Extension for response within fourth month		128 1,970	228 985	Extension for response within fifth month		119 320	219 160	Notice of Appeal		120 320	220 160	Filing a brief in support of an appeal		121 280	221 140	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive unavoidably abandoned application		141 1,300	241 650	Petition to revive unintentionally abandoned application		142 1,300	242 650	Utility issue fee (or reissue)		143 470	243 235	Design issue fee		144 630	315 300	Plant issue fee		122 130	122 130	Petitions to the Commissioner		126 180	126 180	Submission of Information Disclosure Stmt		146 750	246 375	Filing a submission after final rejection (37 CFR 1.129(a))		179 750	249 375	Request for continued examination (RCE) (37 CFR 1.114)	
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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gill

Serial No.: 10/627,293

Filed: 07/25/03

For: SPIN VALVE TRANSISTOR WITH
SELF-PINNED ANTIPARALLEL
PINNED LAYER STRUCTURE

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Group No.: 2826

Examiner: Ahmed N. Sefer

Docket No. **HSJ920030029US1**

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT

In response to the Office Action dated 06/06/2005 please amend the application as follows.

TABLE OF CONTENTS

Amendments to the Claims pg. 2

Remarks pg. 13